

Amendments

Amendment to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. Silanised, structurally modified silicas, characterised by vinyl groups or vinyl silyl groups fixed to the surface, hydrophobic groups such as trimethyl silyl and/or dimethyl silyl and/or monomethyl silyl additionally being fixed to the surface, having the following physico-chemical properties:

BET surface area m ² /g:	25 - 400
Average primary particle size nm:	5 - 50
pH:	3-10
Carbon content %:	0.1-10
DBP value %:	< 200 or not determinable

2. (Currently amended) ~~Process~~ The process for producing the silanised, structurally modified silicas according to claim 1, ~~characterised in that~~ comprising treating silicas ~~are treated~~ with a surface-modifying agent to form a mixture, heat treating the mixture ~~obtained is heat treated~~ and then structurally modified.
3. (Currently amended) ~~Process~~ The process for producing the silanised, structurally modified silicas according to claim 2, ~~characterised in that~~ wherein the silica treating step includes spraying the silicas ~~are sprayed~~ first with water and then with the surface-modifying agent, ~~optionally mixed further, then heat treated and then structurally modified.~~

4. (Currently amended) ~~Process~~ The process for producing the silanised, structurally modified silica according to claim 2, ~~characterised in that~~ wherein the silica treating step includes treating the silica ~~is treated~~ with the surface-modifying agent in vapour form, ~~the mixture is heat treated and then structurally modified.~~
5. (Currently amended) ~~Process~~ The process for producing the silanised, structurally modified silica according to claim 3, ~~characterised in that~~ further comprising post-grinding and/or conditioning the structurally modified silica ~~is post-ground and/or conditioned.~~
6. (Currently amended) ~~Process~~ The process for producing the silanised, structurally modified silica according to claim 4, ~~characterised in that~~ further comprising grinding and/or conditioning the structurally modified silica ~~is post-ground and/or conditioned.~~
7. (Currently amended) A silicone rubber containing a filler wherein the improvement comprises ~~Use of~~ the silanised, structurally modified silica according to claim 1 as a the ~~filler in silicone rubber.~~
8. (New) The process according to claim 3 further comprising, prior to heat treatment step, further mixing the treated silica mixture.